

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE**

CALENDAR YEAR 2002					
Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
Air					
Human Error	633	0	4	0	46,024
Package Failure	96	0	0	0	2,606
Vehicular Accident/Derailment	1	0	0	0	60,000
Other	2	0	0	0	0
SUBTOTAL:	732	0	4	0	108,630
Highway					
Human Error	11,656	9	68	0	9,525,941
Package Failure	1,496	3	21	0	4,475,990
Vehicular Accident/Derailment	312	3	10	7	29,312,461
Other	46	1	2	1	547,249
SUBTOTAL:	13,510	16	101	8	43,861,641
Railway					
Human Error	511	0	10	0	410,096
Package Failure	315	1	2	0	1,810,875
Vehicular Accident/Derailment	41	0	1	1	7,524,169
Other	3	0	0	0	0
SUBTOTAL:	870	1	13	1	9,745,140
Water					
Human Error	7	0	0	0	18,397
Package Failure	2	0	0	0	114,405
Vehicular Accident/Derailment	0	0	0	0	0
Other	1	0	0	0	115,000
SUBTOTAL:	10	0	0	0	247,802
Others					
Human Error	0	0	0	0	0
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
SUBTOTAL:	0	0	0	0	0
Total - 2002	15,122	17	118	9	53,963,213

Note: Due to multiple causes being involved in a single incident, the total above may not correspond to the total in the other reports.